PROJECT REPORT
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"ONLINE LIBRARY MANAGEMENT SYSTEM"

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CHAPTER 1

ABSTRACT

'**Online Library Management System**' is a system which maintains the information about the books present in the library, their authors, the members of library to whom books are issued, library staff and all. This is very difficult to organize manually. Maintenance of all this information manually is a very complex task. Owing to the advancement of technology, organization of an Online Library becomes much simple. The Online Library Management has been designed to computerize and automate the operations performed over the information about the members, book issues and returns and all other operations. This computerization of library helps in many instances of its maintenances. It reduces the workload of management as most of the manual work done is reduced .

The proposed system has records of books. The project has been developed in back-end: PHP, MySQL and front-end: HTML, CSS and JavaScript.

CHAPTER-2

INTRODUCTION

This chapter gives an overview about the aim, objectives, background and operation of online library management system.

1.1 Objective of the project

Our modern age of technology is great depends on internet. Everything is converted to computer based for easier and faster communication. Here I tried to develop such systems, which will ensure some aspects.

- ➢ Reliability, maintainability, cost-effectiveness and a nicer user-friendly environment.
- ➢ The objective of the project is to provide an opportunity of getting and issuing books easily.
- ➢ Proper management of books, securely stores all records.
- ➢ Time Efficient.

1.2 Requirement Specification

Scope:-

The scope of the project is updating the manual library system in the software based application so that the user can see details of their account availability of books etc.

- ➢ Facility to reserve books that are availiable.
- ➢ Authenticate users at their login.
- ➢ To increase the accuracy and efficiency of the procedure.
- ➢ Mechanism to create an user id and reset the passwords in case user forget it.

The implementation of the application also gives a hands-on experience in PHP, MySQL.

1.3 Problems of the Existing System

- **Hard to maintain backup because of large and duplication of data**
- **Difficult to obtain book status rapidly.**
- **Students have to visit the college with an appointment to initialize the process of reservation of books.**
- **It is very difficult work to sort the book manually. Data inconsistency may arise in the case several entries of the same book.**
- **Due to tear and loss of issue cards, it is required to make a new library card as soon as possible.**

CHAPTER 3

PROJECT DESCRIPTION

The **"ONLINE LIBRARY MANAGEMENT SYSTEM"** is a web-based application structured on PHP, MySQL for handling the various functions of the library. It provides a complete solution to the library management which helps librarian.

3.1 Proposed System

This projects used by two types of user

   i.   Administrator(librarian)

  ii.   User (students)

The system includes the entities as admin. Only few members who called admin (librarian) are able to control that system and able to edit or change it. The admin (librarian) check the books issued and returned by the user (students) in concern with the specified time given. Admin has to login first by his registered username and password.

The second type of user, students has limited data access. User has to first register on website by providing his details required. After that he can login to the website. User will be able to see books he issued and his fine/due which he don't return in specific time period .

Main points are:-

    ❖ For User

          • Add information in system.

- Reserving/issuing books.

❖ For Librarian
- Managing books present and issued.
- Managing user data.
- Regular system updating.

3.1 Features of Proposed System

Features of Proposed System as follows:

User panel:

- **Add Information:** In this module user can add information about him .

- **Issuing Books :** It is the most important module from where a user can issue books from library by online method. One adds information about him in this. After adding information he is directed to user panel where he can see and issue books concerning the specified time and his dues if any

- **Admin dashboard :**

a) **Books categories:** Librarian can check and manage the categories of books.
b) **Update Books :** He can add books by new authors and update the existing one.
c) **Approval/Managing :** He approves the books as required by the user and manage the registered users. He also looks after the books issued to the registered users.

CHAPTER 4

SYSTEM REQUIREMENTS

1. SOFTWARE REQUIREMENTS:

- **WAMP:** Microsoft Window OS, Apache MySQL PHP
- **LAMP:** Linux Operating System Apache MySQL PHP
- **MAMP:** Mac OS Apache MySQL PHP
- **XAMPP:** X-OS (Cross Operating System) Apache MySQL PHP
- **VISUAL STUDIO CODE:** Visual Studio Code is a Source-Code Editor developed by Microsoft   for Windows, Linux.

2. HARDWARE REQUIREMENTS:

- **PROCESSOR :** Intel(R) Core(TM) i3-4005U CPU @ 1.70GHz 1.70 GHz
- **RAM :** 4.00 GB
- **SYSTEM TYPE :** 64-bit Operating System, x64-based processor

3. DATABASE REQUIREMENTS: MySQL Server 5.0 is recommended Included in XAMPP Windows.

4. WEB SERVER: apache HTTP Server2.2 is recommended Included in XAMPP Windows.

CHAPTER 5

DATA FLOW DIAGRAM
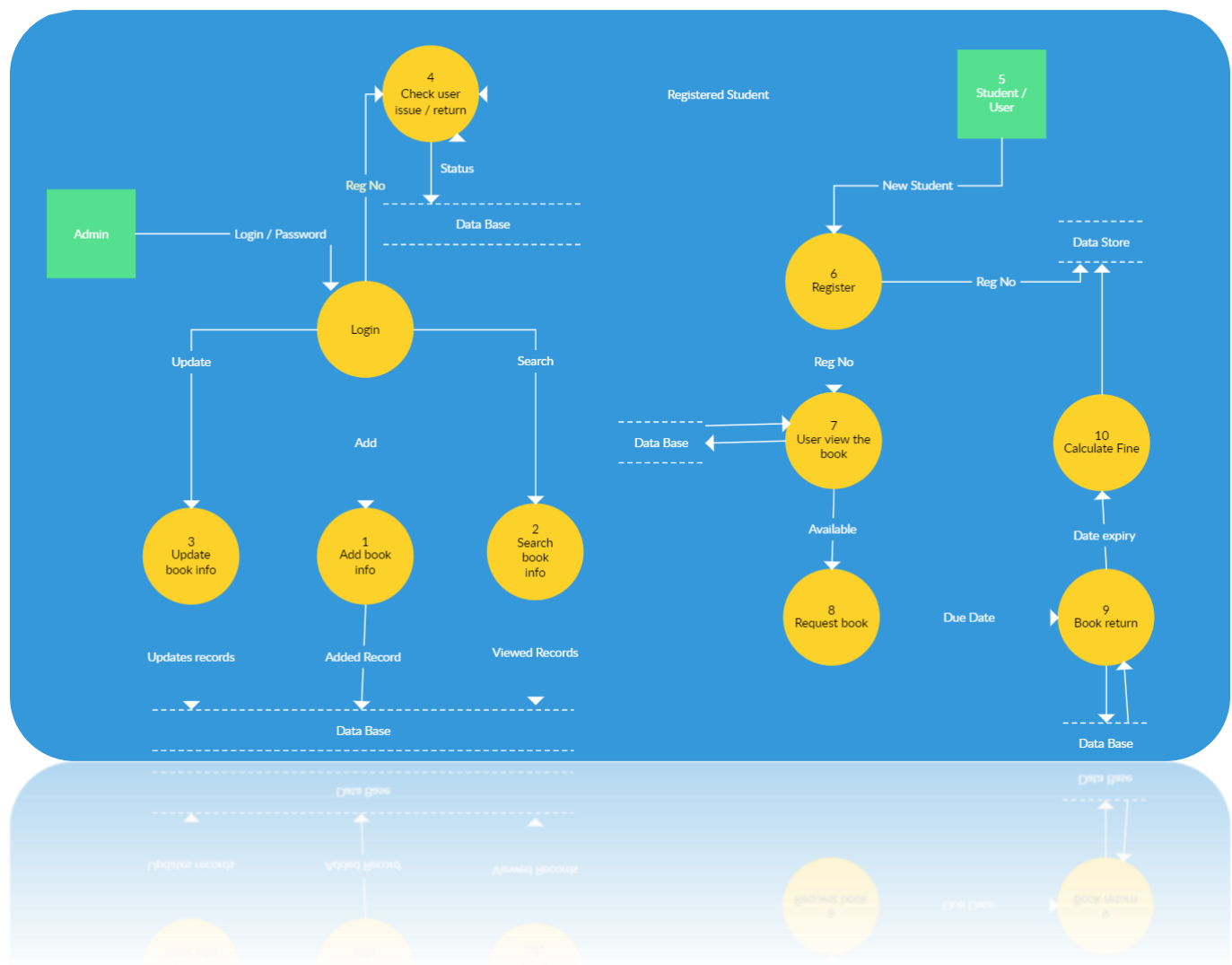
CHAPTER 6

PROJECT WORKING

1. HOME PAGE:

This is the front page of the website. In this page we have many things like ADMIN LOGIN, USER SIGNUP and USER LOGIN.

2. USER SIGNUP:

In this user add information and make an account. In this user add FULLNAME, MOBILE NO., EMAIL, PASSWORD and VERIFICATION CODE.

3. USER LOGIN:

It is a screenshot of the books issued by user with all the data of user , when book was issued and which book was issued . User can also update the profile and even can change password.

4. ADMIN LOGIN PAGE:

This is ADMIN LOGIN PAGE. To login in Admin page the username is **admin** and password is **1234.**

5. ADMIN DASHBOARD:

After login we can see the admin dashboard where admin can add/update every books categories , authors , issue books , can check users who are registered and change password.

In below picture we can see the books issued to the users with their name, book name, issued date, return date and admin can update the data.

Online Library Management System

LOG ME OUT

DASHBOARD   CATEGORIES ⌄   AUTHORS ⌄   BOOKS ⌄   ISSUE BOOKS ⌄   REG STUDENTS   CHANGE PASSWORD

MANAGE ISSUED BOOKS

ISSUE NEW BOOK

MANAGE ISSUED BOOKS

Issued Books

10 ⌄ records per page   Search: [   ]

#	Student Name	Book Name	ISBN	Issued Date	Return Date	Action
1	Yashika Mahajan	Physics	1111	2020-09-13 17:36:03	Not Return Yet	✏ Edit
2	Letty	Physics	1111	2019-07-15 23:32:55	Not Return Yet	✏ Edit
3	Sughuman Mahajan	Physics	1111	2019-07-15 11:53:23	2019-07-15 16:52:29	✏ Edit
4	Tushar	Physics	1111	2019-07-15 11:43:40	Not Return Yet	✏ Edit
5	Rahul	PHP and MySQl Programming	222333	2019-07-15 11:42:27	2019-07-15 16:45:23	✏ Edit
6	Sughuman Mahajan	PHP and MySQl Programming	222333	2019-07-15 11:39:47	2019-07-15 16:45:20	✏ Edit

Showing 1 to 6 of 6 entries   Previous 1 Next

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Online Library Management System

LOG ME OUT

DASHBOARD   CATEGORIES ⌄   AUTHORS ⌄   BOOKS ⌄   ISSUE BOOKS ⌄   REG STUDENTS   CHANGE PASSWORD

MANAGE REG STUDENTS

Reg Students

10 ⌄ records per page   Search: [   ]

#	Student ID	Student Name	Email id	Mobile Number	Reg Date	Status	Action
1	SID002	Sughuman Mahajan	sughuman@gmail.com	9876741230	2019-07-11 21:07:05	Active	Inactive
2	SID005	Tushar	tushar@hotmail.com	8437130399	2019-07-11 21:11:27	Active	Inactive
3	SID010	Simar	simar172@gmail.com	8585856224	2019-07-15 19:10:30	Active	Inactive
4	SID011	Letty	letty@gmail.com	9672423754	2019-07-15 23:30:59	Blocked	Active
5	SID012	Rahul	rahul@yahoo.com	9945208280	2019-04-11 19:16:30	Active	Inactive
6	1	Yashika Mahajan	yashika@gmail.com	9876145033	2020-09-13 17:33:13	Active	Inactive

Showing 1 to 6 of 6 entries   Previous 1 Next

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CHAPTER 7

FUTURE SCOPE

- ➢ We can give more advance software for Online Libraray Management including more features like downloading E-Books.
- ➢ Managing of Books.
- ➢ User Information Management.
- ➢ Add more Books, Books Categories and Authors.
- ➢ Give confirmation by email and phone to users.

CHAPTER 8

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